# MONTHLY BULLETIN

OF

# THE OBSERVATORY

## AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

**OCTOBER 1955**

OWEN GINGERICH, DIRECTOR

GIORGIO CONTINO, ASSOCIATE DIRECTOR

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JAN 12 1956
WEATHER BUREAU

# OCTOBER 1955

## METEOROLOGICAL REGISTER

| Date | Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +... | | | | Thermometer Degress Centigrade | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 8:30 | 14:30 | 20:30 | Mean | Max. | Min. | 8:30 | 14:30 | 20.30 | Mean |
| 1 | 59.9 | 59.1 | 59.6 | 59.5 | 29.5 | 22.3 | 26.1 | 29.3 | 24.4 | 26.6 |
| 2 | 59.6 | 58.9 | 57.9 | 58.8 | 29.2 | 24.1 | 25.8 | 28.6 | 25.9 | 26.8 |
| 3 | 57.0 | 56.2 | 57.0 | 56.7 | 32.6 | 24.0 | 27.2 | 32.2 | 27.8 | 29.1 |
| 4 | 58.9 | 58.7 | 59.6 | 59.1 | 30.1 | 23.0 | 26.8 | 29.6 | 25.0 | 27.1 |
| 5 | 60.2 | 59.3 | 59.3 | 59.6 | 28.3 | 22.8 | 25.9 | 28.1 | 24.4 | 26.1 |
| 6 | 58.7 | 58.0 | 58.6 | 58.4 | 28.2 | 22.1 | 25.1 | 27.4 | 24.1 | 25.5 |
| 7 | 59.6 | 59.3 | 60.1 | 59.7 | 28.5 | 22.7 | 25.1 | 27.9 | 23.4 | 25.5 |
| 8 | 60.7 | 59.3 | 59.6 | 59.9 | 28.0 | 23.7 | 24.4 | 27.8 | 25.6 | 25.9 |
| 9 | 59.8 | 58.8 | 59.4 | 59.3 | 31.3 | 23.9 | 26.3 | 30.6 | 27.6 | 28.2 |
| 10 | 61.6 | 60.6 | 61.2 | 61.1 | 30.2 | 22.8 | 26.5 | 28.3 | 24.6 | 26.5 |
| 11 | 61.3 | 59.9 | 59.9 | 60.4 | 28.0 | 22.1 | 24.8 | 26.9 | 23.6 | 25.1 |
| 12 | 59.5 | 58.9 | 58.6 | 59.0 | 27.4 | 22.4 | 24.4 | 28.8 | 23.9 | 25.7 |
| 13 | 58.7 | 57.6 | 59.3 | 58.5 | 28.3 | 22.0 | 24.7 | 27.9 | 24.2 | 25.6 |
| 14 | 61.5 | 60.8 | 61.7 | 61.3 | 27.6 | 21.9 | 25.6 | 27.1 | 23.7 | 25.5 |
| 15 | 62.6 | 60.7 | 60.6 | 61.3 | 27.0 | 23.2 | 24.4 | 26.7 | 24.4 | 25.2 |
| 16 | 61.3 | 60.4 | 60.8 | 60.8 | 26.8 | 21.7 | 25.0 | 26.0 | 24.8 | 25.3 |
| 17 | 62.9 | 62.4 | 53.2 | 62.8 | 26.8 | 21.0 | 24.1 | 26.6 | 23.7 | 24.8 |
| 18 | 65.0 | 63.8 | 64.4 | 64.4 | 27.0 | 22.2 | 23.9 | 25.7 | 24.1 | 24.6 |
| 19 | 64.6 | 63.5 | 63.8 | 64.0 | 26.3 | 21.7 | 23.6 | 25.9 | 23.8 | 24.4 |
| 20 | 63.5 | 61.3 | 61.4 | 62.1 | 28.5 | 22.2 | 23.9 | 27.7 | 24.4 | 25.3 |
| 21 | 61.2 | 60.3 | 60.8 | 60.8 | 28.2 | 22.3 | 24.7 | 27.6 | 24.0 | 25.4 |
| 22 | 61.8 | 61.0 | 61.6 | 61.5 | 28.2 | 23.1 | 24.9 | 27.7 | 26.1 | 26.2 |
| 23 | 62.9 | 61.3 | 61.1 | 61.8 | 28.2 | 22.2 | 25.0 | 27.9 | 23.9 | 25.6 |
| 24 | 60.9 | 59.3 | 59.5 | 59.9 | 27.9 | 21.7 | 24.8 | 27.4 | 23.3 | 25.2 |
| 25 | 60.0 | 58.9 | 59.5 | 59.5 | 27.7 | 21.6 | 24.4 | 27.2 | 23.1 | 24.9 |
| 26 | 59.4 | 58.1 | 58.0 | 58.5 | 27.8 | 23.0 | 23.3 | 27.6 | 24.7 | 25.2 |
| 27 | 59.0 | 58.5 | 58.9 | 58.8 | 27.5 | 17.2 | 24.9 | 27.2 | 23.5 | 25.2 |
| 28 | 58.6 | 58.6 | 59.6 | 58.9 | 24.3 | 18.1 | 20.8 | 21.6 | 20.8 | 21.1 |
| 29 | 61.0 | 61.3 | 62.1 | 61.5 | 24.4 | 18.1 | 22.7 | 22.2 | 19.9 | 21.6 |
| 30 | 63.1 | 62.5 | 63.0 | 62.5 | 24.0 | 18.4 | 19.2 | 23.1 | 20.1 | 20 8 |
| 31 | 62.7 | 60.9 | 61.6 | 61.7 | 24.6 | 19.3 | 20.9 | 22.9 | 21.3 | 21.7 |
| | 60.89 | 59.94 | 60 38 | 60.39 | 27.82 | 21.83 | 24.49 | 27.15 | 24.00 | 25.22 |

Barometer, range for month 765.0 mm. — 756.2 mm.
„ 71-yr. average for month 761.31 mm.
Thermometer, range for month 32.6°C — 17.2°C
„ 71-yr. average for month 24.51°C
Rain total for month 26.41 mm.
„ 71-yrs average for month 50.02 mm.
„ Total, Sept. 1st. to end of month 26.41 mm.
„ 71-yrs. average. Sept. 1st. to end of month 56.21 mm.

# OCTOBER 1955
# METEOROLOGICAL REGISTER

| Date | Pressure of Water Vapor Millibars | | | | Relative Humidity per cent. | | | | sun. | Wind per day | Rain |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 8:30 | 14:30 | 20:30 | Mean | 8:30 | 14:30 | 20:30 | Mean | Hrs. | Kms. | m.m. |
| 1 | 22.4 | 25.9 | 23.0 | 23.8 | 66 | 62 | 77 | 68 | 8.9 | 211.0 | |
| 2 | 24.1 | 26.8 | 27.9 | 26.3 | 74 | 70 | 82 | 75 | 8.9 | 438.0 | |
| 3 | 24.2 | 21.6 | 15.9 | 20.6 | 67 | 45 | 43 | 52 | 9.2 | 153.0 | |
| 4 | 26.0 | 26.7 | 23.9 | 25.5 | 74 | 65 | 75 | 71 | 9.0 | 449.0 | |
| 5 | 19.1 | 18.0 | 17.4 | 18.2 | 57 | 46 | 57 | 53 | 8.7 | 438.0 | |
| 6 | 15.7 | 18.9 | 19.7 | 18.1 | 51 | 53 | 67 | 57 | 6.8 | 385.0 | |
| 7 | 18.8 | 21.7 | 20.7 | 20.4 | 61 | 58 | 72 | 64 | 8.9 | 288.0 | |
| 8 | 19.8 | 23.7 | 24.8 | 22.8 | 65 | 64 | 77 | 69 | 9.0 | 484.0 | |
| 9 | 21.7 | 25.0 | 23.0 | 23.2 | 65 | 57 | 61 | 61 | 9.3 | 373.0 | |
| 10 | 26.7 | 29.0 | 26.4 | 27.4 | 76 | 75 | 87 | 79 | 9.1 | 233.0 | |
| 11 | 25.3 | 25.3 | 23.9 | 24.8 | 79 | 72 | 84 | 78 | 9.1 | 116.0 | |
| 12 | 24.4 | 24.6 | 26.2 | 25.1 | 80 | 71 | 88 | 80 | 8.8 | 241.0 | |
| 13 | 25.7 | 28.0 | 26.2 | 26.6 | 85 | 74 | 89 | 83 | 9.2 | 167.0 | |
| 14 | 24.1 | 23.3 | 24.8 | 24.1 | 75 | 66 | 83 | 75 | 9.3 | 100.0 | |
| 15 | 23.0 | 23.3 | 24.4 | 23.6 | 77 | 66 | 79 | 74 | 9.4 | 536.0 | |
| 16 | 23.3 | 21.1 | 16.9 | 20.4 | 73 | 62 | 53 | 63 | 9.4 | 620.0 | |
| 17 | 19.0 | 18.7 | 19.0 | 18.9 | 64 | 54 | 65 | 61 | 10.3 | 352.0 | |
| 18 | 19.0 | 19.6 | 21.5 | 20.0 | 63 | 61 | 74 | 66 | 10.4 | 760.0 | |
| 19 | 19.5 | 21.7 | 22.2 | 21.1 | 68 | 63 | 74 | 68 | 10.5 | 711.0 | |
| 20 | 18.4 | 26.5 | 25.7 | 23.5 | 62 | 70 | 84 | 72 | 10.3 | 217.0 | |
| 21 | 23.7 | 24.4 | 23.5 | 23.9 | 78 | 65 | 79 | 74 | 9.7 | 224.0 | |
| 22 | 22.6 | 27.3 | 14.3 | 21.4 | 71 | 74 | 42 | 62 | 9.9 | 177.0 | |
| 23 | 26.6 | 28.0 | 26.2 | 26.9 | 84 | 74 | 88 | 82 | 10.0 | 98.0 | |
| 24 | 21.9 | 24.2 | 21.4 | 22.5 | 68 | 67 | 75 | 70 | 10.2 | 140 0 | |
| 25 | 22.4 | 24.2 | 23.1 | 23.2 | 72 | 66 | 84 | 74 | 10.2 | 129.0 | |
| 26 | 19.4 | 22.4 | 8.5 | 16.8 | 69 | 61 | 28 | 53 | 9.7 | 375.0 | |
| 27 | 21.2 | 20.8 | 20.7 | 20.9 | 66 | 58 | 73 | 66 | 7.5 | 475.0 | |
| 28 | 17.6 | 18.4 | 15.3 | 17.1 | 73 | 72 | 64 | 70 | 5.4 | 468.0 | 17.52 |
| 29 | 16.9 | 16.2 | 16.3 | 16.5 | 60 | 60 | 70 | 63 | 5.8 | 406.0 | 1.27 |
| 30 | 18.9 | 17.5 | 17.4 | 17.9 | 87 | 64 | 74 | 75 | 5.5 | 314.0 | 7.62 |
| 31 | 15.4 | 18.1 | 19.5 | 17.7 | 62 | 67 | 77 | 69 | 6.8 | 158.0 | |
| | 21.51 | 22.94 | 21.28 | 21.91 | 70.1 | 63.9 | 71.8 | 68.6 | 8.88 | 330.19 | 0.85 |

Height of Barometer above sea level : 33.7 meters.
„ „ Thermometers above ground :
Dry and wet 1.55 m ; Max. 1.75 m. ; Min. 1.70 m.
Rim of Rain Gauge : above ground 0.56 m. ; above sea level 30.31 m.
Time of reading minus 2 hours equal G.C.T
71 year averages are for period, 1875-1945

# OCTOBER 1955

## METEOROLOGICAL REGISTER

| Date | Clouds clear—0 Overcast—10 | | | | Direction and force of wind Beaufort scale | | | Sea | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | 8:30 | 14:30 | 20:30 | Mean | 8:30 | 14:30 | 20:30 | | |
| 1 | 0 | 6cu-st | 3cu-st | 3.0 | 1sw | 1sw | 1sw | light | |
| 2 | 0 | 0 | 0 | 0.0 | 1ne | 1ne | 3ne | ,, | H. a.m. p.m. |
| 3 | 0 | 0 | 0 | 0.0 | 1sw | 1ne | 1ne | ,, | H.a.m.p m. |
| 4 | 0 | 5cu-st | 6cu-st | 3.7 | 1sw | 1sw | 1sw | ,, | H. a.m |
| 5 | 7cu-st | 4cu-st | 10st | 7.0 | 1sw | 1sw | 1sw | ,, | |
| 6 | 4cu-st | 9cu-st | 5cu-st | 6.0 | 1sw | 1sw | 1sw | light | |
| 7 | 1cu | 6cu-st | 8st | 5.0 | 1sw | 1nw | 1nw | ,, | |
| 8 | 0 | 0 | 0 | 0.0 | 1n | 3ne | 2ne | slight | |
| 9 | 0 | 0 | 0 | 0.0 | 1w | 1ne | 1ne | light | H. a m |
| 10 | 0 | 0 | 0 | 0.0 | 1sw | 1n | 1ne | ,, | D.p m. |
| 11 | 6cu-st | 0 | 0 | 2.0 | 1sw | 1nw | 1n | light | D. p.m. |
| 12 | 5st | 0 | 0 | 1.7 | 1sw | 1n | 1n | ,, | D.p.m |
| 13 | 3cu-st | 0 | 4cu | 2.3 | 1sw | 1ne | 1ne | ,, | D. a.m. p.m. |
| 14 | 5cu | 0 | 0 | 1.7 | 1n | 1n | 1n | ,, | |
| 15 | 4cu-st | 0 | 0 | 1.3 | 1w | 1n | 3ne | ,, | |
| 16 | 4cu-ci | 8st-ci | 2st | 4.7 | 3ne | 2ne | 2ne | light | |
| 17 | 5ci | 10ci | 0 | 5.0 | 1ne | 1ne | 2ne | ,, | |
| 18 | 0 | 0 | 10st | 3.3 | 1ne | 3ne | 3ne | ,, | |
| 19 | 1cu | 0 | 0 | 0.3 | 2ne | 3ne | 2ne | slight | |
| 20 | 0 | 3ci | 0 | 1.0 | 1ne | 1e | 1ne | light | D. p.m |
| 21 | 0 | 0 | 0 | 0.0 | 1e | 1ne | 1ne | light | H. a.m |
| 22 | 0 | 3st | 0 | 1.0 | 1sw | 1ne | 1e | ,, | D. a.m |
| 23 | 1ci | 0 | 0 | 0.3 | 1sw | 1ne | 1e | ,, | D. a.m p.m. |
| 24 | 0 | 0 | 0 | 0.0 | 1sw | 1n | 1ne | ,, | D. a.m.p.m. |
| 25 | 0 | 0 | 0 | 0.0 | 1sw | 1ne | 1ne | ,, | D. a.m.p m. |
| 26 | 0 | 4ci | 8cu-ci | 4.0 | 1ne | 1ne | 1ne | light | H.D.a.m |
| 27 | 7cu-ci | 10cu-ci | 10ci-st | 9.0 | 2sw | 1sw | 1 w | ,, | |
| 28 | 8ci-cu | 10cu-st | 10cu- | 9.3 | 1s | 1w | 1sw | ,, | |
| 29 | 9cu-st | 9cu-st | 8st | 8.7 | 1sw | 1 s | 1s | ,, | |
| 30 | 9cu-st | 8cu-st | 8cu-st | 8.3 | 1se | 1w | 1 se | ,, | Tr.p.m |
| 31 | 6cu-ci | 10st | 10cu-ci | 8.7 | 1se | 1sw | 1s | ,, | |
| | mean | | | 3.18 | | | | | |

Abbreviations : G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew.
W = strong wind; Tr = trace of rain

### Number of Daily Wind Observations

| Time | N | NE | E | SE | S | SW | W | NW | Calm | Totals |
|---|---|---|---|---|---|---|---|---|---|---|
| 8:30 | 2 | 7 | 1 | 2 | 1 | 16 | 2 | 0 | 0 | 31 |
| 14:30 | 5 | 14 | 1 | 0 | 1 | 6 | 2 | 2 | 0 | 31 |
| 20:30 | 3 | 16 | 2 | 1 | 2 | 5 | 1 | 1 | 0 | 31 |
| Total | 10 | 37 | 4 | 3 | 4 | 27 | 5 | 3 | 0 | 93 |

Number of days with rain 3, fog 0, thunderstorms 0, gale. 0
71 yr. av. number of days with rain during month 3.84